GENERAL REQUIREMENTS

QUALITY CONTROL NARRATIVE

6A.3.1 - 14

6A.3.1-14
QUALITY CONTROL

The Design Development Documents have been reviewed by both the OPM's and the CM's staff. Recommendations and information were exchanged during a number of meetings. Many of the recommendations, based on their knowledge of the construction means and methods, have been included as part of this Design Development submission. The documents went through an in-house Quality Control Review.

Ceiling Clearances

The Design Team met regularly during the Design Development phase to review systems. BIM models were used as a tool for 3d conceptual coordination during these meetings. Ceiling clearance requirements for key MEP systems components, such as major ductwork supply and return lines, sprinkler mains and recessed lighting fixtures were coordinated with structural steel depth and the finish ceiling heights. This information was documented on the Building Sections.

Mechanical Room & Shaft Sizes

All major pieces of MEP equipment were placed within the Mechanical Rooms and on the Roof in order to confirm the room clearances, as well as the structural roof load requirements. The major shaft sizes and location requirements were reviewed and coordinated with all Design Team members.

Coordinate Specifications & Drawings

Drawings Outline Specifications were reviewed and updated by the Design Team. Additional comments received from the OPM, following their review of the earlier draft of the specifications and the progress set of drawings, were incorporated in the Design Development submission.

Filed Sub-Bid Work

The Filed Sub-Bid scope of work was established and incorporated into the specifications.

Scheduling

The construction schedule and phasing approach was reviewed and confirmed during progress meetings with the School Administration, CM-R, OPM, and Architect. Specific emphasis was given to the site entry during construction to provide proper separation between the existing high school and construction activities. Ledge removal by blasting activities has been main focus of CM-R planning of the early site package. The planning was guided by the goal of minimal disturbance to the adjacent properties. CM-R consulted with the blasting experts as part of the construction activities planning. The Project Team discussed the advantages and challenges of the early site and structural steel enabling packages.

Equipment & Power

Major equipment power requirements were reviewed and coordinated between the design team members. More detail will be added during the project's Construction Documents phase.

Base utilities for Vocational Equipment have been incorporated into the Design Development Submission. As final equipment selections are made, utility requirements will be reviewed.

During coordination meetings with the Career Tech Staff, locations for convenience utilities for mobile and benchtop equipment were reviewed. Locations for fume extraction arms, compressed air, 208V-3-phase power to accommodate portable MIG welders, pneumatic hand tools and mobile powered equipment were incorporated into the drawings.

Existing & New Construction

The Project does not include renovation of the existing school.

Phasing

Phasing diagrams are being refined by the CM-R. The storm water management plans are being developed by the Construction Team. It was determined by all stakeholders that the Site, Foundations and Structural steel early bid packages will benefit timely delivery of the project.

Phasing Diagrams, prepared by Gilbane, can be found at the end of this section, 6A.3.1-14.

FRP CONCRETE SITE UTILIZATION PLAN

PROGRESS

Gilbane

T OFFICE TRAILERS

SITE ACCESS ON LOOP ROAD

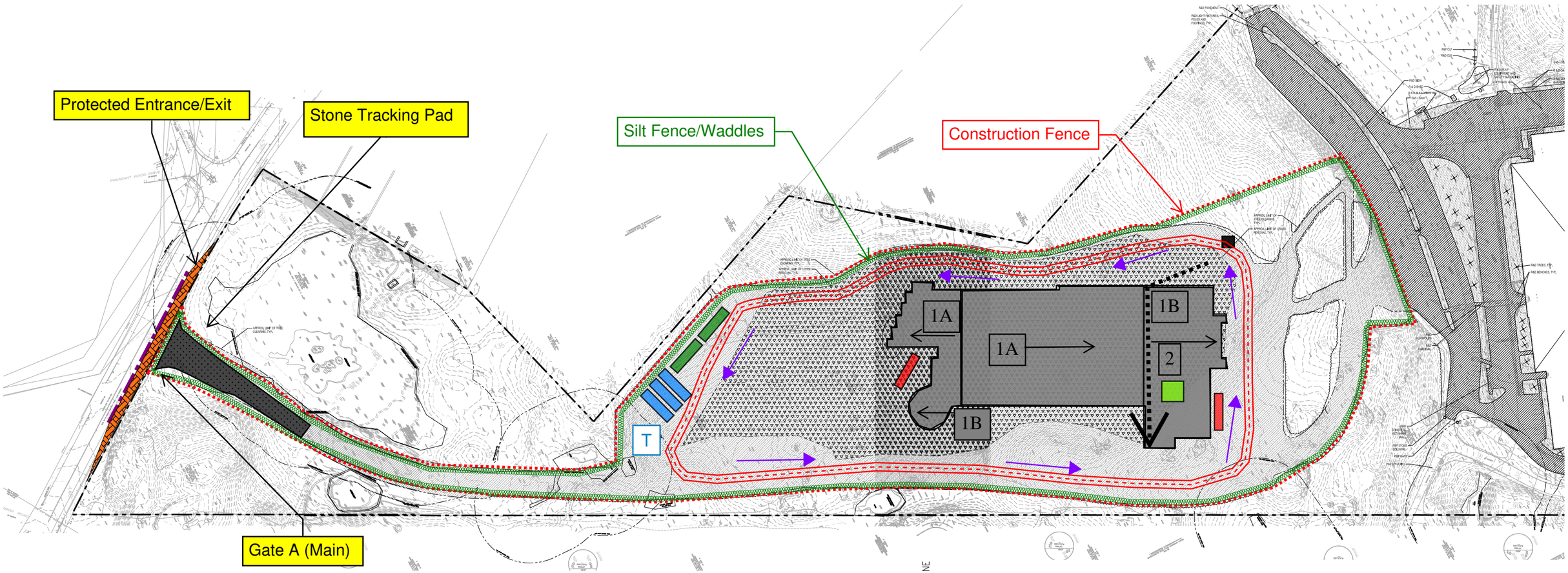
Loop Road

STORAGE BOXES

DUMPSTERS

LULL/MAGNI TO SHAKE OUT STEEL/DECK/BOLTS

CRANE FOR REBAR, GANG FORMS @ RETAINING WALL



Summer/Fall/Early Winter 2023

STEEL ERECTION SITE UTILIZATION PLAN

PROGRESS

Gilbane

AREA A LAYDOWN

AREA B LAYDOWN

AREA C/D LAYDOWN

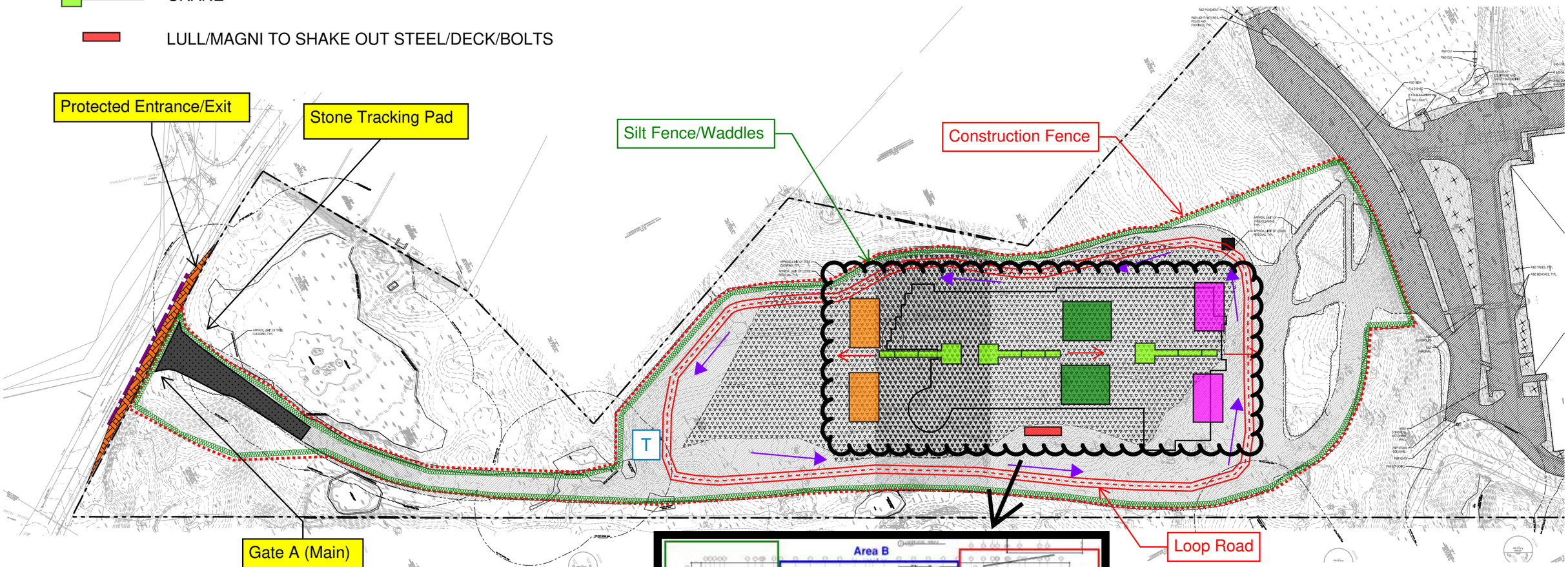
CRANE

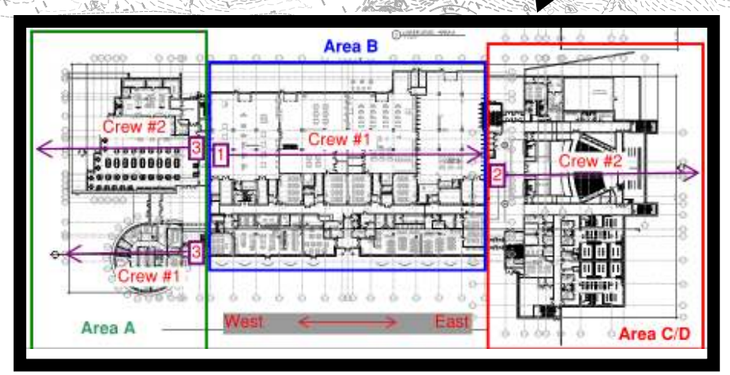
LULL/MAGNI TO SHAKE OUT STEEL/DECK/BOLTS

T OFFICE TRAILERS

SITE ACCESS ON LOOP ROAD

Loop Road





Fall, 2023-Spring, 2024